

**AMENDMENTS TO THE CLAIMS**

The listing below of the claims will replace all prior versions and listings of claims in the present application:

**Listing of Claims:**

Claim 8 (currently amended): Apparatus for regulating the transmission ratio of a continuously variable transmission, ~~in particular~~ for motor vehicles, to take into account changes in transmission operation over time, including changes caused by wear of transmission parts, said apparatus comprising:

- a. sensors for detecting operational transmission operating parameters;
- b. an electronic control unit including a microprocessor and at least one memory in which operating parameters associated with reference transmission ratios are stored, wherein the electronic control unit further includes a preliminary control device in which a preliminary control value is determined as a function of at least one of the transmission operating parameters;
- c. a regulator comparator for comparing a measured transmission ratio of the transmission with a reference transmission ratio and for deriving therefrom ~~a control~~ an adjustment value;
- d. an adjusting device that receives the preliminary control value and the regulation adjustment value as ~~the~~ a set point value in order to adjust the transmission;
- e. wherein the preliminary control value is stored in the preliminary control device as a function of at least two transmission operating parameters and in that an adjustment system is provided which changes adjusts the preliminary control value so that the measured transmission ratio coincides with

the reference transmission ratio when the ~~control variable adjustment value~~ is at least approximately zero.

Claim 9 (currently amended): Apparatus in accordance with claim 8, including a ~~monitor diagnostic device for generating triggering~~ predetermined monitoring functions based upon changes in the preliminary control value.

Claim 10 (currently amended): Apparatus in accordance with claim 9, wherein the ~~monitor diagnostic device~~ detects changes in the transmission ratio of the transmission as a function of changes in the ~~controlled variable set point value~~, and wherein it the diagnostic device triggers predetermined monitoring functions in relation to ~~changes in~~ said changes.